

[illegible]

CONVDEF

IDENT 'V04-000'

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VAX-11 CONVERT

CONVERT control structure definitions

Created by:

Keith Thompson

June-1981

Modified by:

V03-004 JWT0185 Jim Teague 29-Jun-1984
 Add flags necessary to keep track of context for
 FTN --> STM conversion.

V03-003 KBT0386 Keith B. Thompson 27-Oct-1982
 Add ctx\$w_free and remove conv\$w_recl

V03-002 KBT0372 Keith B. Thompson 20-Oct-1982
 Reorganize flags for user definitions

V03-001 KBT0356 Keith B. Thompson 6-Oct-1982
 Merge the convert and reclaim definitions into one
 context block

CONVERT flag control bytes

The first 16 bits are user defined flags, the second 16 are internal

SSTRUCT

CONV

```

F USER,W      : User flags
V < M
SIGNAL        : Signal errors
FDL_STRING    : The fdl spec. is a fdl string not a file name
>
F INTERNAL,W  : Internal flags
V < M
IN            : Input file open
OUT           : Output file
EXC           : Exception file
SOR           : Sort file
RFA           : Rfa file
SORTINIT      : Sort has been initialized
PROLOG        : The prologue option has been specified
MAPFTN,2      : 1: FTN -> PRN, 2: FTN -> STM, 3: PRN -> FTN
LAST_CR       : Did last record end with <CR>? (for FTN -> STM)
FIRST_REC     : Is this first record in FTN -> STM conversion?
>

```

E

CONVERT fast load and RECLAIM contex block definitions

NOTE: The address of the buffer and the VBN of the bucket

in the buffer must be in consecutive longwords.

```

$STRUCT      CTX
F CTRL,B      : Control bytes
V <M
FST           : First record in index
STATUS        : Status
RDY           : Bucket ready
DBF           : Double buffering flag
DBX           : Double buffering contex, bucket 0 - 1
VBN,2         : Bucket VBN size
>
F AREA,B      : Area of bucket
F LEVEL,B     : Level of bucket
F ,B         : Spare
F CURRENT_BUFFER,L : Pointer to current buffer
F CURRENT_VBN,L : VBN of current bucket
F END,L       : Pointer to end of current bucket
F PTO,L       : Pointer to bucket 0
F ENO,L       : pointer to end of bucket 0
F PT1,L       : Pointer to bucket 1
F EN1,L       : pointer to end of bucket 1
F SIZ,L       : Size in bytes of the bucket, has to be longword
F FIRST_VBN,L : First VBN in chain

```

CONVERT specific definitions

```

F FREE,W      : Amount of freespace available in empty bucket
F SPC,W       : Amount of freespace left in bucket
F USE,W       : Amount of freespace used in bucket
F VSZ,B       : VBN pointer size
F ,B         : Spare
F RCP,L       : Record control pointer
F RDP,L       : Record data pointer
F RCS,W       : Record control size
F RDS,W       : Record data size
F LKP,L       : Last key pointer

```

L BLN_CONV

RECLAIM specific definitions

```

F PREVIOUS_BUFFER,L : Pointer to previous buffer
F PREVIOUS_VBN,L   : VBN of previous bucket
F LAST_BUFFER      : Pointer to last buffer
F LAST_VBN         : Last VBN in chain
F NEXT_VBN,L       : Next VBN in chain
F SAVE_VBN,L       : Place keeper VBN
F BUCKET_SIZE,W    : Size in bytes of the bucket
F ,W               : Spare

```

L BLN_RECL

L BLN

; Length of block

E

0064 AH-BT13A-SE
VAX/VMS V4.0

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